National Aeronautics and Space Administration

Mars Technology Program
Jet Propulsion Laboratory
California Institute of Technology

Date July 23, 2004

Mars Technology Development Program

Corer/Abrader Tool Brassboard Technology Announcement

Notice of Intent to Propose Due: August 3, 2004
Proposal Due: August 27, 2004

Corer/Abrader (CA) Tool Brassboard Technology Development

Technology Announcement

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CA Tool Development
TECHNOLOGY ANNOUNCEMENT

The Mars Technology Program is a NASA Office of Space Science (OSS) program, managed by the Jet Propulsion Laboratory (JPL), to produce advanced technology that can be used by the Mars Exploration Program for future Mars Missions. This CA Tool Technology Announcement (TA) solicits proposals for a CA tool that could be used on future Mars missions including but not limited to the Mars Science Laboratory 2009 Mission.

The TA will be used to solicit proposals from the broadest community of prospective U.S. and non-U.S. organizations including educational institutions, industry, nonprofit institutions, as well as NASA Centers including the Jet Propulsion Laboratory (JPL), and other U.S. Government agencies. Historically Black Colleges and Universities (HBCUs), other minority educational institutions, and small businesses and organizations owned and controlled by socially and economically disadvantaged individuals or women are particularly encouraged to apply. Participation by non-U.S. organizations in this program is encouraged subject to NASA's policy of no-exchange-of-funds.

The performance requirements for a CA Tool are described in APPENDIX A of this TA. General instructions for responding to this TA are given in APPENDIX B. Specific instructions for proposal preparation are given in APPENDIX C.

The evaluation of technology proposals will be done using a technical peer review process as described in APPENDIX D. The selection criteria for evaluation and their relative importance summarized below are described in APPENDIX C.2, including details of the evaluation factors.

Technical merit and benefits to future Mars Missions specifically including but not limited to the Mars Science Laboratory 2009 Mission (40%)
Technology maturation 20%)
Management and implementation approach (20%)
Capabilities of the provider organization (20%)

One proposer will be selected for this effort. The selected proposer will participate in a twelve-month design development and testing effort for the CA Tool Brassboard. The CA Tool Brassboard needs to be mature enough to demonstrate its capabilities and potential performance within twelve months from the start of this effort.

The CA Tool Brassboard Manager anticipates this contract (or other agreement) value to be in the range of $700,000.00 or less for a twelve month period. NASA's obligation to fund this contract (or other agreement) awards is contingent upon the availability of funds and the receipt of proposals that NASA determines are acceptable.

The following information applies to this TA:

Date of Corer/Abrader Tool TA issue:	July 23, 2004
Notice of Intent to Propose Due:	August 3, 2004
Proposal Due Date:	August 27, 2004 at 3:00 p.m. PDT
Start Date (approximately):	October 1, 2004
Proposal Page Limit:	18 Pages (12 point type font, 8.5 x 11 inch paper)

Required Number of Proposals:	Submit twenty (20) copies and (10) PC readable electronic copy .pdf file or CD-ROM.
Mailing address:	Jet Propulsion Laboratory 4800 Oak Grove Drive, Mail Stop 201-203 Pasadena, CA 91109-8099 Attn: Anthony P. Sherrill
Address for hand delivery:	Jet Propulsion Laboratory Visitor Control Center Building 249 4800 Oak Grove Drive Pasadena, CA 91109-8099 Attn: Anthony P. Sherrill
Initiation of funding:	With contract (agreement) award
General Point of Contact:	Mr. Anthony Sherrill Jet Propulsion Laboratory 4800 Oak Grove Drive, M/S 201-203 Pasadena, California 91109-8099 e-mail: Anthony.P.Sherrill@jpl.nasa.gov Telephone: (818) 393-7280

If you have any questions about this TA, please contact Mr. Anthony P. Sherrill.
Your interest in submitting a proposal in response to the Corer/Abrader Tool Brassboard TA is appreciated.

Refer to PIP/AO Document for additional information on MSL and Science Instruments.
http://centauri.larc.nasa.gov/msl/

Original signed by

Dr. Samad Hayati,
Manager, Mars Technology Program